| <br>x of Claims |  |
|-----------------|--|
|                 |  |

| Α | pp | li | ca | ti | 0 | n | C | 0 | 'n | tr | O | ١ | N | 0. |
|---|----|----|----|----|---|---|---|---|----|----|---|---|---|----|

Applicant(s)/Patent under Reexamination

10/719,248

TAYLOR ET AL. Art Unit

Examiner AARON J. LEWIS

3743

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla        | aim  |              |          |              |  | Date     | •            |          |          |  |
|------------|--|--------------|----------|--------------|--|----------|--------------|----------|----------|--|
| Final      | riginal  | 4778         | ,        |              |  |          |              |          |          |  |
| 123459     | 0<br>1<br>2<br>3<br>4<br>5<br>6<br>7<br>8                            | =            |          |              |  |          |              |          |          | H  |
| 7-         | 3  | 7            |          |              | _  |          |              |          | _        | _  |
| 7          | 3  | _            |          |              | -  |          | -            |          | -        | -  |
| 7          | 4  |              |          | _            |  | -        | -            |          | _        | $\vdash$   |
| 7          | -  | _            |          |              |  |          |              |          |          |  |
| 7          | 13   | _            | $\vdash$ |              |  |          |              |          |          | <u> </u>   |
| _ <b>v</b> | (0)  | 2            | _        | _            |  | _        | -            | _        | _        |  |
|            | -  | _            | _        | _            | -  | _        |              |          | _        | -  |
|            |  |              |          |              | _  |          | _            |          |          | _  |
|            | 9  | _            |          |              | _  |          |              |          |          | -  |
|            | 10   |              |          |              |  |          | _            |          |          | $\vdash$   |
|            | 11   |              |          | _            | _  | _        | -            |          |          | _  |
| -          | 12   |              | -        |              | -  |          | <u>-</u>     |          | H        | <del> </del>                                     |
|            | 14   | H            | $\vdash$ |              | $\vdash$   |          | -            |          | -        | -  |
|            | 15   | H            | H        | H            | $\vdash$   |          | -            | -        | -        | -  |
|            | 16   | $\vdash$     | _        | $\vdash$     | $\vdash$   |          | -            | $\vdash$ | -        | <del>  -  </del>                                 |
| <b>—</b>   | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21 |              |          | Н            | $\vdash$   |          | -            | Н        | $\vdash$ | <del>                                     </del> |
| -          | 18   | $\vdash$     |          |              |  |          | -            |          | ┢═       |  |
|            | 19   | $\vdash$     |          | -            |  |          |              |          | $\vdash$ | _  |
|            | 20   |              | Г        |              |  |          | $\vdash$     | -        | <u> </u> |  |
|            | 21   |              | _        |              |  |          |              |          | $\vdash$ |  |
|            | 22   |              |          |              |  |          |              |          |          |  |
|            | 23   |              |          |              |  |          |              |          |          |  |
|            | 23<br>24<br>25   |              |          |              |  |          |              |          |          |  |
|            | 25   |              |          |              |  |          |              |          | <u> </u> | _  |
| <u> </u>   | 26   | _            | _        |              |  |          | _            | _        | <u> </u> |  |
| <u> </u>   | 27   | _            |          |              |  |          |              |          | _        |  |
| <b>├</b>   | 28<br>29   |              |          |              |  |          | <u> </u>     |          | ┝        | <u> </u>   |
| <u> </u>   | 29   | _            | <u> </u> | _            | _  | _        | _            |          | <u> </u> | <u> </u>   |
| ├          | 30   | L            | <u> </u> | -            |  |          |              | _        | <u> </u> | <u> </u>   |
| -          | 31<br>32<br>33   | <del> </del> | <u> </u> |              | $\vdash$   | -        | -            |          | $\vdash$ | <u> </u>   |
| -          | 32   |              |          |              | -  |          |              | $\vdash$ | $\vdash$ | $\vdash$   |
| -          | 34   |              |          |              | <del>                                     </del> |          | <del> </del> | $\vdash$ | $\vdash$ | $\vdash$   |
| -          | 34<br>35   | $\vdash$     | -        | <del> </del> | $\vdash$   | -        | -            | -        | $\vdash$ | $\vdash$   |
|            | 36   | $\vdash$     | $\vdash$ | -            | $\vdash$   | $\vdash$ | $\vdash$     |          | $\vdash$ | $\vdash$   |
|            | 37   |              |          | _            | Н  | $\vdash$ | $\vdash$     | -        | <u> </u> | Н  |
|            | 38   | $\vdash$     | $\vdash$ |              | $\vdash$   | _        | <u> </u>     | _        | $\vdash$ |  |
|            | 39   |              |          |              |  |          |              |          |          |  |
|            | 40   |              |          |              |  |          |              |          |          |  |
|            | 41   |              |          |              |  |          |              |          |          | Ĺ  |
|            | 42   |              |          |              |  |          |              |          |          |  |
|            | 43   |              |          | <u> </u>     | L_   |          | L            |          | _        | <u> </u>   |
|            | 44   | L            |          | <u> </u>     |  | _        |              |          | _        |  |
|            | 45   |              | _        | _            | $\vdash$   | <u> </u> | <u> </u>     | _        | <u> </u> | <u> </u>   |
| <u></u>    | 46   | _            | <u> </u> | <u> </u>     | <u> </u>   | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | $\vdash$   |
| <u> </u>   | 47   | <u> </u>     | <u> </u> | ├            | <u> </u>   | <u> </u> | L            | <u> </u> | $\vdash$ | <u> </u>   |
| <u></u>    | 48   | <u> </u>     | <u> </u> | ├            | <u> </u>   | <u> </u> | ├            | <u> </u> | ├        | $\vdash$   |
| -          | 49<br>50   | -            | $\vdash$ | $\vdash$     | ├  | -        | $\vdash$     | <u> </u> | ⊢        | $\vdash$   |
| 1          | - 50   |              |          |              |  |          |              |          |          |  |

| la       | im                 |  |              |  |          | Date           | <del></del>                                      |          |  |  | ] | Cla      | im       |           |              |          | - (          | Date         | e -                       |  |  |          |
|----------|--------------------|--|--------------|--|----------|----------------|--|----------|--|--|---|----------|----------|-----------|--------------|----------|--------------|--------------|---------------------------|--|--|----------|
|          |                    | I  | 1            |  |          |                |  |          |  |  |   |          |          |           |              |          |              |              |                           |  |  |          |
|          | Original           | 178  | ,            |  |          |                |  |          |  |  |   | ā        | Original |           |              |          |              |              |                           |  |  |          |
|          | Έ.                 | 25   |              |  |          |                |  |          |  |  |   | Final    | rig      |           |              |          |              |              |                           |  |  |          |
|          | 0                  | •  |              |  |          |                |  |          |  |  |   |          | 0        |           |              |          |              |              |                           |  |  |          |
| ┪        | 1                  | _  |              |  |          |                |  | -        |  |  |   |          | 51       |           |              |          |              |              |                           | $\vdash$   |  |          |
| _        | (1)                | 11/1   |              |  | -        | -              |  |          |  | -  |   |          | 52       |           |              |          |              |              | Н                         | $\vdash$   | $\vdash$   |          |
|          | - 2                | -  |              |  | _        |                | -  |          | _  | -  |   |          | 53       |           | H            |          |              |              | -                         | $\vdash$   | -  | $\dashv$ |
| 4        |                    | 1111   |              | _  |          |                |  | _        | _  | $\vdash$   |   |          | 5<br>54  |           |              |          | -            |              |                           | -  |  | $\dashv$ |
| -        | 3<br>4<br>5<br>(6) | _  |              |  |          |                |  |          |  | $\vdash$   |   |          | 55       | Н         |              |          | -            | _            | -                         |  |  | $\dashv$ |
| ,        | (a)                | =  |              |  |          | -              |  |          |  | ⊢  |   |          | 56       | -         |              |          |              |              |                           |  |  | $\dashv$ |
| $\dashv$ | 7                  | =  | _            | _  | _        | -              | -  |          |  | _  |   |          | 57       |           | -            |          |              |              |                           | _  |  | $\dashv$ |
| -        |                    |  |              | _  | -        | -              |  |          | _  | -  |   |          | 58       | -         |              |          |              | _            |                           | -  |  |          |
| -        | 8                  | -  |              |  | _        | -              | _  |          |  | <u> </u>   |   |          | 50       | -         | -            |          |              |              |                           | _  | -  | $\dashv$ |
| -        | 9                  | -  | _            | _  | _        | -              |  |          |  | -  |   |          | 59       | -         |              |          |              |              | _                         | _  | -  | $\dashv$ |
| -        | 10                 |  |              |  |          |                |  |          | _  |  |   |          | 60       | $\vdash$  | _            |          |              |              | $\vdash$                  |  | $\vdash$   | $\dashv$ |
| 4        | 11                 |  | <u> </u>     | <u> </u>   | -        | -              | -  |          | <u> </u>   | _  |   |          | 61       | $\vdash$  | $\vdash$     | _        |              |              | <u> </u>                  | <u> </u>   | $\vdash$   | $\dashv$ |
| 4        | 12<br>13           |  | <u> </u>     |  |          | <b>  </b>      | <u> </u>   |          | _  | <b> </b>   |   |          | 62       | Ш         | Щ            |          |              |              | $\vdash$                  | $\vdash$   | Н  | Щ        |
| 4        | 13                 |  |              | ļ  |          | <u> </u>       | <u> </u>   |          | <u> </u>   | ļ  |   |          | 63       | <u> </u>  | L            |          |              |              | $ldsymbol{ldsymbol{eta}}$ |  | Н  | Щ        |
| _        | 14                 |  | _            | L  | _        |                |  |          | <u> </u>   |  |   |          | 64       | Щ         | Щ            |          |              |              | $\vdash$                  | Ш  | Ш  | Ш        |
| 4        | 15                 | _  | _            | L  | _        | _              |  |          | _  |  |   |          | 65       | $\square$ |              |          |              |              | lacksquare                | Щ  | Щ  | Ш        |
| _        | 16                 |  |              | Ш  | L.,      |                |  |          |  | <u> </u>   |   |          | 66       | Щ         |              |          |              | _            | $\vdash$                  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | Ш  | Ш        |
| _        | 17                 |  |              |  |          |                |  |          | _  |  |   |          | 67       | Щ         |              |          |              |              |                           | $\perp$  |  | Ш        |
|          | 18<br>19           |  |              |  |          |                |  |          | $oxed{oxed}$                                     |  |   |          | 68       |           |              |          |              |              |                           |  |  |          |
|          | 19                 | L  |              |  |          |                |  |          | <u> </u>   |  | ļ |          | 69       |           |              |          |              |              |                           |  |  |          |
|          | 20                 |  |              |  |          |                |  |          |  |  |   |          | 70       |           |              |          |              |              |                           |  |  | Щ        |
|          | 21                 |  |              |  |          |                |  |          |  |  |   |          | 71       |           |              |          |              |              |                           |  |  |          |
|          | 22                 |  |              |  |          |                |  |          |  |  |   |          | 72       |           |              |          |              |              |                           |  |  |          |
|          | 23                 |  |              |  |          |                |  |          |  | L  |   |          | 73       |           |              |          |              |              |                           |  |  |          |
|          | 24                 |  |              |  |          |                |  |          |  |  |   |          | 74       |           |              |          |              |              |                           |  |  |          |
|          | 25                 |  |              |  |          |                |  |          |  | Г  |   |          | 75       |           |              |          |              |              |                           |  |  |          |
|          | 26<br>27           | П  |              |  |          |                |  |          |  |  | 1 |          | 76       |           |              |          |              |              | Г                         |  |  |          |
|          | 27                 |  |              |  |          |                |  |          |  |  |   |          | 77       |           |              |          |              |              |                           |  |  |          |
|          | 28                 | Г  |              |  |          |                |  |          |  |  | 1 |          | 78       |           |              |          |              |              |                           |  |  |          |
|          | 29                 | Г  |              |  |          |                |  |          |  |  | 1 |          | 79       |           |              |          | -            |              |                           |  |  |          |
| T        | 30                 |  |              |  |          |                |  |          |  |  | 1 |          | 80       |           |              |          |              |              |                           |  |  |          |
|          | 31                 |  | $\vdash$     |  |          |                |  |          |  | $\vdash$   | 1 |          | 81       |           | _            | _        | _            |              |                           | $\vdash$   | П  |          |
|          | 32                 | ┢  | _            | _  |          |                | _  |          | Н  |  |   |          | 82       | $\vdash$  |              |          |              | _            |                           |  |  |          |
| _        | 33                 | <del> </del>                                     | -            |  |          | -              | -  |          | <u> </u>   |  | 1 |          | 83       |           | -            | _        | _            | _            | $\vdash$                  | $\vdash$   | П  | П        |
| ٦        | 34                 | <b>—</b>   | -            | -  |          | -              | $\vdash$   |          | Н  |  | 1 |          | 84       |           | $\vdash$     |          | _            |              | $\vdash$                  | $\vdash$   | Н  | $\vdash$ |
| 7        | 35                 | $\vdash$   | $\vdash$     | _  | $\vdash$ |                | <del>                                     </del> | _        | $\vdash$   | 1  | 1 |          | 85       | $\vdash$  | $\vdash$     | _        | _            | _            | П                         |  | П  | Н        |
| ┪        | 36                 | $\vdash$   | $\vdash$     |  | $\vdash$ | $\vdash$       | $\vdash$   | _        | $\vdash$   | $\vdash$   | 1 |          | 86       |           | _            | _        | _            | -            | $\vdash$                  | <del>                                     </del> | Н  | Н        |
| 1        | 37                 | Н  | $\vdash$     |  | $\vdash$ | $\vdash$       | $\vdash$   | -        | $\vdash$   | $\vdash$   | 1 |          | 87       |           | Н            |          | _            | -            | _                         | <del>                                     </del> | $\vdash$   | Н        |
| ┪        | 38                 | $\vdash$   | $\vdash$     |  | $\vdash$ | -              |  | -        | $\vdash$   |  | 1 |          | 88       |           | H            |          | -            |              |                           | <del> </del>                                     |  | H        |
| -        | 39                 | $\vdash$   | -            |  | -        | _              | _  | -        | $\vdash$   |  | 1 |          | 89       |           | $\vdash$     | -        | -            |              | -                         | $\vdash$   | $\vdash$   | H        |
| -        | 40                 | <del>                                     </del> | -            | <del>                                     </del> | $\vdash$ |                | $\vdash$   | $\vdash$ | $\vdash$   | <del>                                     </del> | 1 |          | 90       | $\vdash$  | $\vdash$     | $\vdash$ | -            | -            |                           | ┢  | $\vdash$   | -        |
| -        | 41                 | +-   | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$       | $\vdash$   | _        | <del>                                     </del> | -  | 1 |          | 91       |           | H            | -        |              | $\vdash$     | $\vdash$                  | $\vdash$   | $\vdash$   | $\vdash$ |
| 4        | 42                 | <del>                                     </del> | $\vdash$     | $\vdash$   | -        |                | <del> </del>                                     | _        | $\vdash$   | $\vdash$   | 1 |          | 92       | -         | H            | -        | -            | $\vdash$     | $\vdash$                  | ┈  | $\vdash$   | Н        |
| -        | 43                 | $\vdash$   | ├-           |  | $\vdash$ | <del> </del> — | -  | -        | $\vdash$   |  | 1 | <u> </u> | 93       | -         | -            | $\vdash$ | -            | H            | -                         | $\vdash$   | $\vdash$   | Н        |
| -        |                    | $\vdash$   | $\vdash$     | ├  | -        | -              | -  | $\vdash$ | -  | $\vdash$   | 1 | -        | 93       |           | $\vdash$     | -        | <del> </del> | -            | -                         | ⊢  | $\vdash$   | $\vdash$ |
| _        | 44                 | $\vdash$   | <del> </del> | $\vdash$   | $\vdash$ | $\vdash$       | -  |          | -  |  | ł | -        | 95       | $\vdash$  | -            |          | -            | ├-           | $\vdash$                  | $\vdash$   | $\vdash$   | Н        |
| -        | 45                 |  | ├—           | -  | $\vdash$ | ├-             | -  | -        | -  | ⊢  | 1 |          |          | -         |              | -        |              |              | 1                         | ├-   | -  | $\vdash$ |
| -        | 46                 | -  | ├            | $\vdash$   | H        | -              | <del> </del>                                     | -        | $\vdash$   |  | 1 |          | 96       | -         | <del> </del> | <u> </u> | -            |              | -                         | $\vdash$   | $\vdash$   | -        |
| _        | 47                 | -  | -            | ⊢  | <u> </u> |                | ├-   | <u> </u> | _  |  | 1 | <u> </u> | 97       | -         | -            | <u> </u> | <b> </b>     | <del> </del> | <u> </u>                  | $\vdash$   | -  | -        |
| _        | 48                 | <u> </u>   | ├-           | ├  | <u> </u> |                | ├  | <u> </u> | ├-   | -  | 1 |          | 98       |           | -            | ļ        |              | ├            | -                         |  | -  |          |
| _        | 49                 | <b>—</b>   | <u> </u>     | $\vdash$   | <u> </u> |                | <del> </del>                                     | _        | ⊢  | 1  | 1 |          | 99       |           | <u> </u>     | <u> </u> | $\vdash$     | $\vdash$     | <del> </del>              | <del> </del>                                     | <del>                                     </del> |          |
|          | 50                 |  | L            |  | L        |                | <u> </u>   | Щ.       | <u> </u>   |  | J | L        | 100      |           |              | L        | <u> </u>     | L            | <u> </u>                  |  | L  | l        |

| Cli          | aim               |              |              |                |                | Date         |              |              | _            | $\neg$   |
|--------------|-------------------|--------------|--------------|----------------|----------------|--------------|--------------|--------------|--------------|--|
|              |                   |              |              |                |                |              |              |              |              | П  |
| ā            | Original          |              |              |                |                |              |              |              |              |  |
| Final        | rigi              |              |              |                |                |              |              |              |              |  |
| -            | 0                 |              |              |                |                |              |              |              |              |  |
|              | 101               |              |              | -              | -              | -            | _            | _            |              | Н  |
| <u> </u>     | 101<br>102        |              | -            |                | -              | _            |              |              | _            | -  |
| -            | 103               | _            | $\vdash$     | -              | -              | -            |              |              |              | -  |
|              | 104               |              | -            | -              | _              |              | - )          | -            |              |  |
|              | 104<br>105        | -            | _            | ┝┈             |                | -            | -            | -            |              | $\vdash$   |
|              | 106               | -            | -            | -              | -              |              | -            |              |              | $\vdash$   |
|              | 107               | -            | _            | -              | _              | -            |              | _            |              | $\vdash$   |
|              | 108               | -            | -            | -              |                |              | -            | -            |              | Н  |
|              | 109               | -            | -            | -              |                |              |              | -            |              | -  |
|              | 1109              | -            | -            | -              | _              |              |              |              |              | _  |
|              | 110<br>111        | -            | _            |                |                |              |              |              |              | Н  |
| <u> </u>     | 111               | -            | <del> </del> |                |                | Ь—           | $\vdash$     | -            |              | Н  |
| ļ            | 112<br>113        | -            | <u> </u>     | <u> </u>       |                | <u> </u>     |              | H            | <u> </u>     | Н  |
|              | 113               | <u> </u>     | -            |                | <u> </u>       |              | H            |              |              | H  |
| <u> </u>     | 114<br>115        | <u> </u>     | <u> </u>     | -              | <u> </u>       | _            |              |              | <u> </u>     |  |
|              | 115               | <u> </u>     | L            |                |                | ļ            | -            | <u> </u>     |              |  |
| <u> </u>     | 116<br>117        | <u> </u>     | <b> </b>     | <u> </u>       | <u> </u>       | <u> </u>     | <b>-</b>     |              |              | -  |
| <u> </u>     | 117               | <b> </b> -   |              |                | <u> </u>       | <b> </b>     | <u> </u>     | _            | <u> </u>     | ш  |
|              | 118               | _            | _            |                |                |              |              |              |              |  |
|              | 119               | _            |              |                |                |              |              |              |              |  |
|              | 120<br>121        |              | _            |                |                |              |              |              |              |  |
|              | 121               | _            | _            | _              | <u> </u>       | <u> </u>     | _            | _            |              | Ш  |
|              | 122               |              |              |                |                | <u> </u>     | _            | _            | _            |  |
|              | 122<br>123<br>124 | <u> </u>     |              | <u> </u>       |                | <u> </u>     | L.           | _            | _            | -  |
|              | 124               |              | <u> </u>     | _              |                |              | _            | _            | _            | Щ  |
|              | 125<br>126<br>127 | _            | <u> </u>     |                |                | $\vdash$     | _            | _            | _            |  |
|              | 126               |              | -            | -              |                | -            |              | -            | _            |  |
|              | 127               | _            | -            | -              | _              | -            | <u> </u>     | _            | _            | Н  |
|              | 128<br>129<br>130 | <u> </u>     | <u> </u>     |                |                | _            | -            | -            | _            |  |
|              | 129               |              | _            |                | -              | -            | _            | -            | _            | Н  |
| ├            | 130               |              | <u> </u>     | <u> </u>       | _              | <u> </u>     |              |              | <u></u>      | Щ  |
|              | 131<br>132        | _            |              | _              | _              | <b> </b>     | _            | _            | _            | Ш  |
|              | 132               | _            | -            | <u> </u>       |                | _            |              | _            |              | Ш  |
| <del></del>  | 133               | <u> </u>     | ├            | _              | <u> </u>       | <del> </del> | <u> </u>     | <u> </u>     | <u> </u>     | Н  |
| -            | 134               |              | <u> </u>     | <u> </u>       | <u> </u>       | <del> </del> |              | -            | <u> </u>     | <del>                                     </del> |
| <u> </u>     | 135               | <u> </u>     | ├-           | -              | <del> </del>   | $\vdash$     |              |              |              |  |
| <u> </u>     | 136               | <u> </u>     | <del> </del> | <del>  -</del> | <del> </del> — | <del> </del> | <del> </del> |              | <u> </u>     |  |
| <u> </u>     | 137               | <u> </u>     | $\vdash$     | $\vdash$       | -              | <del> </del> |              | <u> </u>     | <u> </u>     | $\vdash$   |
| <u> </u>     | 138               | -            | <del> </del> | -              | <u> </u>       | <del> </del> | -            | <u> </u>     |              | -  |
|              | 139               |              | ├            | <u> </u>       | $\vdash$       | <u> </u>     |              | $\vdash$     | <u> </u>     | $\vdash$   |
| <del> </del> | 140               | -            |              | <del> </del>   | -              | -            | _            | -            | _            | $\vdash$   |
|              | 141               | $\vdash$     | $\vdash$     | $\vdash$       | <del> </del>   | -            | -            | $\vdash$     | $\vdash$     | $\vdash$   |
| <del></del>  | 142               | <del> </del> | $\vdash$     | ⊢              | <del> </del>   | <del> </del> | -            | -            | <del> </del> | $\vdash$   |
|              | 143               |              | -            |                | ├-             | ├            | ├            | ├            |              | $\vdash\vdash$                                   |
| <u> </u>     | 144               |              |              |                | <del> </del>   | ⊢            | ├            | ├            | -            | $\vdash$   |
|              | 145               |              | ├-           |                |                | <del> </del> |              |              |              | -  |
| -            | 146               | <u> </u>     | ├            | -              | <del> </del>   | -            | $\vdash$     | <u> </u>     | <u> </u>     | -  |
| <u> </u>     | 147               | -            | -            | -              | $\vdash$       | -            | -            | -            | <u> </u>     | -  |
| <u> </u>     | 148               | -            | <u> </u>     | -              | <u> </u>       | -            | $\vdash$     | <del> </del> | <b> </b>     | _  |
| <b> </b>     | 149               | <del> </del> | $\vdash$     | <u> </u>       | -              | <del> </del> |              | <del> </del> | _            |  |
|              | 150               |              |              | L.             | _              | L_           | L            | <u> </u>     |              | Щ  |